

# SERVICE MANUAL



## PORTABLE RADIO

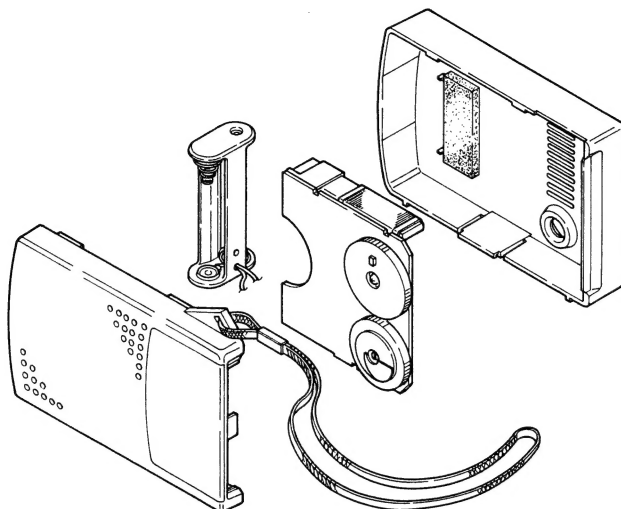
# RP 1270



### SPECIFICATIONS

Frequency Range:	MW 530 ~1605 kHz
Intermediate Frequency:	455 kHz
Audio Output:	Maximum 100 mW
Power Source:	DC 3V; Two Penlite ("AA" Size) Batteries
Transistors:	6
Diodes:	2
Speaker:	57 mm, Permanent Dynamic, 8 ohms
Dimensions:	71 mm(H) x 107mm(W) x 31mm(D)
Weight: (Approx)	160g (without Batteries)

## DISASSEMBLY



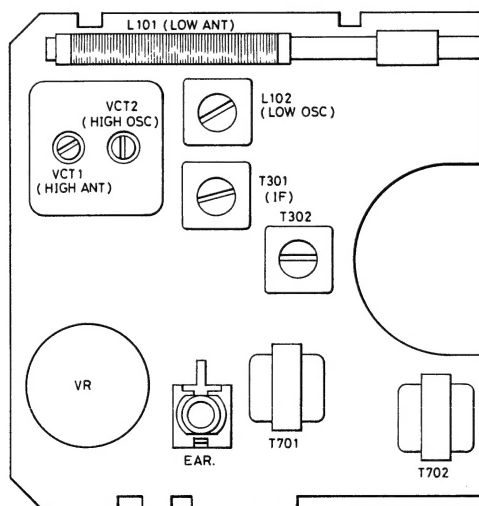
## PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
PACKING				ELECTRICAL PARTS			
	141-6-141T-18200	Display Carton	1	Q101		Transistor 2SC930 CONV	1
	141-6-231T-15200	Inner Poly Cover	1	Q302		Transistor 2SC930	1
CABINET & CHASSIS				Q301		Transistor 2SC930	1
	141-0-111T-55900	Cabinet Ass'y	1	Q701		Transistor 2SC536 AUD	1
	141-0-126T-42600	Back Lid Ass'y	1	Q702,703		Transistor 2SD734	2
	141-2-163T-94000	Rotary Knob, Tuning	1	D301		Diode 2CK83A	1
	141-2-163T-94100	Rotary Knob, Volume	1	D701		Diode 2CP or 2CK	1
	141-0-331T-05200	Holder Battery Ass'y	1	CAPACITORS			
	124-2-369S-00200	Bracket Coil, Antenna	1	C306		Ceramic 0.0027μF ±10% 50V	1
FIXING PARTS				C703,704		Ceramic 0.01μF ±20% 50V	2
		Pan Hd. Screw, 2.6 x 4mm, VC, Tuner Knob	3	C302		Ceramic 0.0022μF ±20% 50V	1
		Pan Hd. 1 Special Screw 1.6 x 4mm, VR Knob	1	C101		Ceramic 0.0033μF ±20% 50V	1
ELECTRICAL PARTS				C102		Ceramic 0.0068μF ±10% 50V	1
L101	141-4-250T-81900	P.C.B. Ass'y	1	C702		Ceramic 0.01μF +80-20% 50V	1
L102	4-151T-46190	Speaker	1	C303,304, 305		Ceramic 0.022μF +80-20% 50V	3
T301	4-152T-05590	Earphone	1	C701		Electrolytic 1μF 50V	1
T302	4-257T-56101	Antenna Coil Ass'y	1	C301		Electrolytic 4.7μF 25V	1
T701	4-258T-44390	O. S. C Coil	1	C705		Electrolytic 100μF 10V	1
T702	4-256T-31290	I. F. T	1	RESISTORS			
VC1,2	4-256T-31390	I. F. T	1	All Resistors are Carbon V-type ±10% ¼W, unless otherwise noted.			
VCT1,2	4-254T-15590	I. P. T	1	R704		1 ohm	1
VR701	4-254T-15690	O. P. T	1	R702		100 ohm	1
	4-224T-24390	Variable Capacitor	1	R103		100 ohm	1
	4-220T-10990	Variable Resistor	1	R104		220 ohm	1
	4-240T-51190	Socket, Earphone	1	R303		270 ohm	1
	141-2-430T-02590	Eyelet	2	R305		470 ohm	1
				R302		1.2K ohm	1
				R703		820 ohm	1
				R102		2.2K ohm	1
				R306		6.8K ohm	1
				R304		10K ohm	1
				R301		12K ohm	1
				R701		120K ohm	1
				R101		220K ohm	1
				R705		560K ohm	1

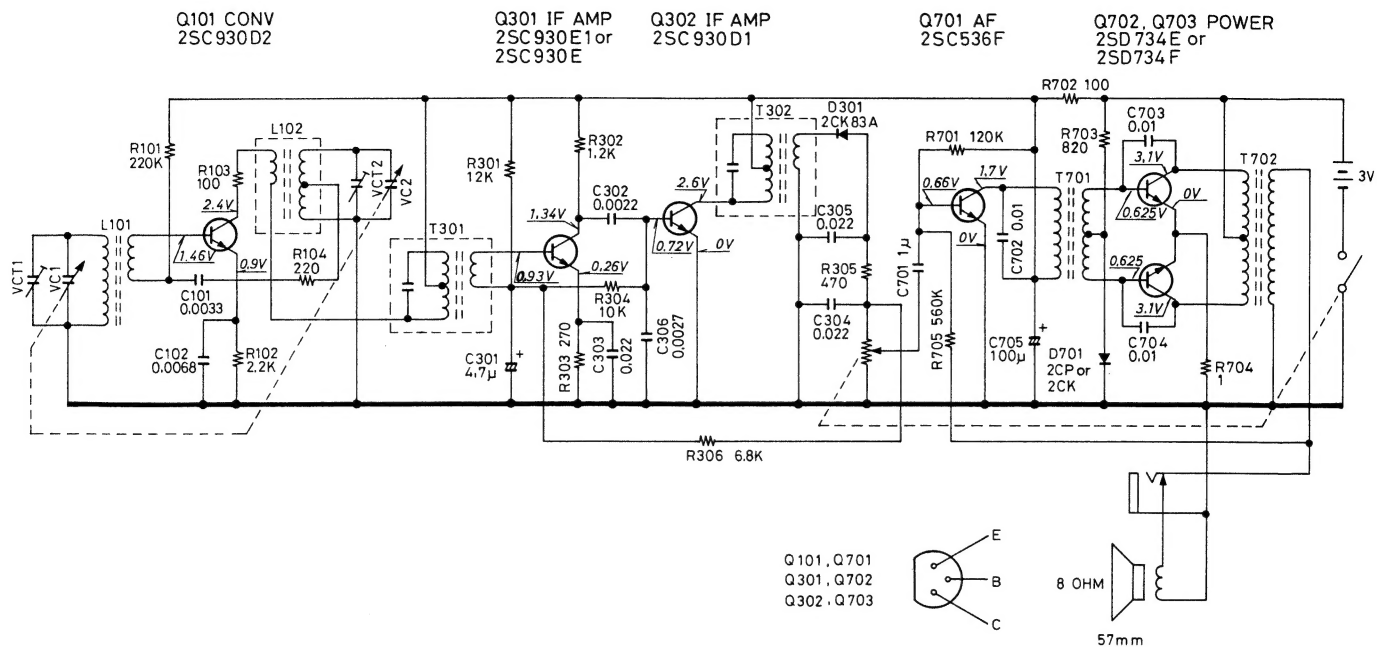
# ALIGNMENT PROCEDURES

PROCEDURE	SIGNAL INPUT	FREQUENCY OF SIGNAL GEN.	DIAL SETTING OF RADIO	ADJUSTMENT
IF STAGE	IRE LOOP	455kHz	Lowest end	IFT's T301 & T302
BAND COVERAGE	IRE LOOP	505kHz	Lowest end	Osc.Coil L102
		1650kHz	Highest end	Osc. Trimmer VCT2
TRACKING	IRE LOOP	600kHz	600kHz	Ant.Coil L101
		1400kHz	1400kHz	Ant. Trimmer VCT1

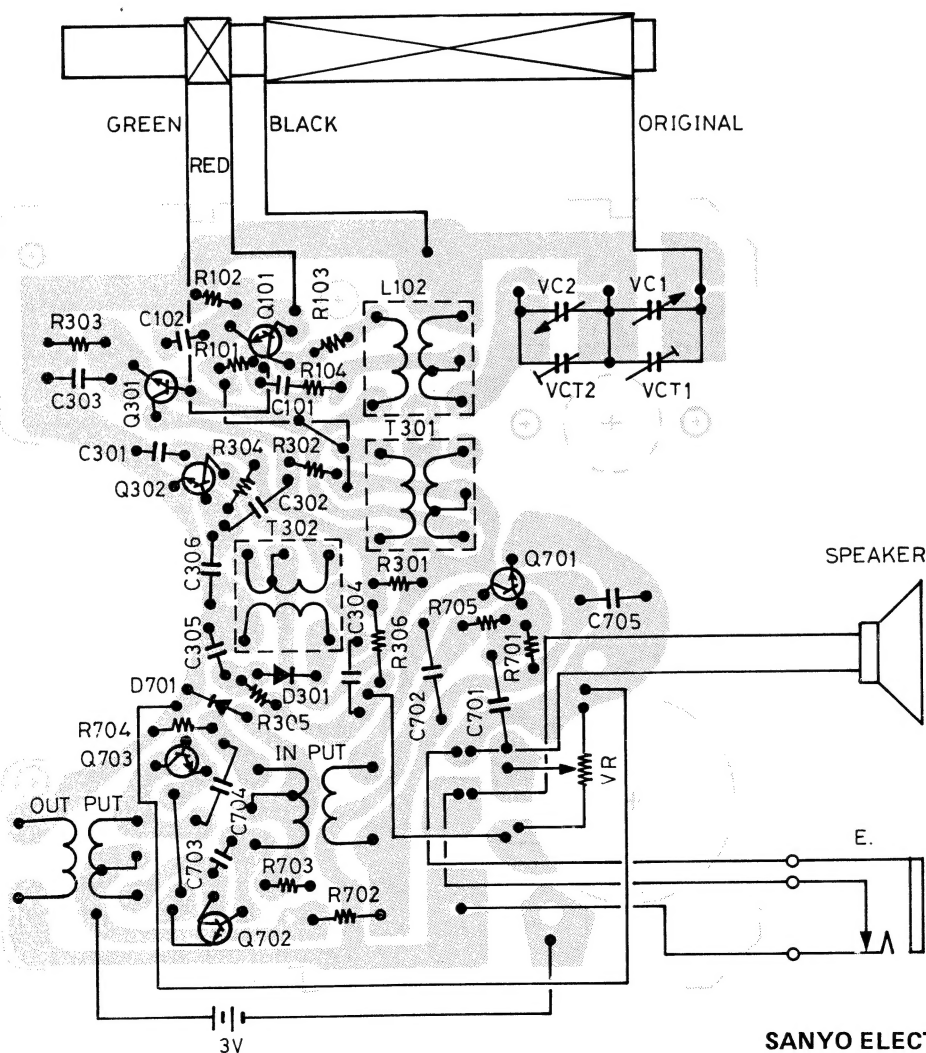
## PARTS LOCATION



### SCHEMATIC DIAGRAM



## WIRING DIAGRAM



**SANYO ELECTRIC TRADING CO., LTD.**  
33, Hiyoshi-cho 2-chome, Moriyasu-shi,  
Osaka-fu, 570 Japan.